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Goldenstein et al.

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(54) **CUSTOMIZABLE, REAL TIME INTELLIGENCE CHANNEL**

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(58) **Field of Classification Search**
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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

7,162,473 B2 1/2007 Dumais et al.
7,856,445 B2 12/2010 Gross
8,166,026 B1 4/2012 Sadler
9,672,555 B1 * 6/2017 Dillard G06Q 30/0631
2002/0103789 A1 * 8/2002 Turnbull G06F 17/30867
(Continued)

FOREIGN PATENT DOCUMENTS

EP 2973066 A1 1/2016
KR 10201610416 A 1/2016
WO WO-2014164746 A1 10/2014

OTHER PUBLICATIONS

U.S. Appl. No. 14/772,598, filed Sep. 3, 2015, Customizable, Real Time Intelligence Channel.

(Continued)

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(57) **ABSTRACT**

A customizable intelligence channel may be uniquely designed and implemented to contain only that information deemed to be relevant and material to a specific topic. The topic-related information provided via the intelligence channel may contain no extraneous results, irrelevant, and/or redundant information. The intelligence channel may be dynamically updated in real time, based on user input and/or crowdsourced data, to provide topic-related information.

23 Claims, 14 Drawing Sheets

